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Patent Application  
Serial No. 09/512,935In the Abstract:

A bone mill [according to the present invention] has a pair of cutter units, a first cutter unit [12] and a second cutter unit [13]. A bone to be crushed is taken in between the first cutter unit [12] and the second cutter unit [13]. While passing between the first cutter unit [12] and the second cutter unit [13], the bone is crushed. [

]Each cutter unit [12, 13] has a plurality of disks [15] disposed in parallel to one another at regular intervals. Each disk [15] is provided on the periphery thereof with blades [40] for crushing [a] the bone. The cutter units [12, 13] are positioned such that the disks [15] of the first cutter unit [12] are fitted in the gaps between adjacent disks [15] of the second cutter unit [13]. Both the disks [15] of the first cutter unit [12] and the disks [15] of the second cutter unit [13] are mutually inwardly rotated. Accordingly, when a bone to be crushed is supplied between the cutter units [12, 13], the bone is taken in by and between the disks [15] of the first cutter unit [12] and the disks [15] of the second cutter unit [13], both sets of disks [15] being mutually inwardly rotated. Thus, the blades [40] of the disks [15] bite the bone, causing the [same] bone to be broken. While passing between the disks [15] of the first cutter unit [12] and the disks [15] of the second cutter unit [13], the bone is crushed by these disks [15] so positioned as to be fitted in each other.